

2/11 #2



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RAW SEQUENCE LISTING                      DATE: 02/19/2002  
 PATENT APPLICATION: US/10/057,113              TIME: 15:10:40

Input Set : N:\Crf3\RULE60\10057113.txt  
 Output Set: N:\CRF3\02192002\J057113.raw

## SEQUENCE LISTING

## 3 (i) GENERAL INFORMATION:

5 (i) APPLICANT: THE UNITED STATES OF AMERICA, AS REPRESENTED  
 6 BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES IN  
 7 CARE OF NATIONAL INSTITUTES OF HEALTH Office of Technology  
 8 Transfer Suite 325, 6011 Executive Boulevard, Rockville, MD  
 9 20852

11 (ii) TITLE OF INVENTION: GLYCOPROTEIN HORMONE SUPERAGONISTS

13 (iii) NUMBER OF SEQUENCES: 37

15 (iv) CORRESPONDENCE ADDRESS:

16 (A) ADDRESSEE: NEEDLE & ROSENBERG, P.C.  
 17 (B) STREET: Suite 1200, 127 Peachtree Street  
 18 (C) CITY: Atlanta  
 19 (D) STATE: Georgia  
 20 (E) COUNTRY: USA  
 21 (F) ZIP: 30303  
 23 (v) COMPUTER READABLE FORM:  
 24 (A) MEDIUM TYPE: Floppy disk  
 25 (B) COMPUTER: IBM PC compatible  
 26 (C) OPERATING SYSTEM: PC-DOS/MS-DOS  
 27 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30

29 (vi) CURRENT APPLICATION DATA:

C--> 30 (A) APPLICATION NUMBER: US/10/057,113  
 C--> 31 (B) FILING DATE: 25-Jan-2002  
 32 (C) CLASSIFICATION:

34 (vii) PRIOR APPLICATION DATA:

35 (A) APPLICATION NUMBER: PCT/US96/06483  
 36 (B) FILING DATE:

40 (viii) ATTORNEY/AGENT INFORMATION:

41 (A) NAME: Perryman, David G.  
 42 (B) REGISTRATION NUMBER: 33,438  
 43 (C) REFERENCE/DOCKET NUMBER: 14014.0185/P

45 (ix) TELECOMMUNICATION INFORMATION:

46 (A) TELEPHONE: 404/688-0770  
 47 (B) TELEFAX: 404/688-9880

50 (2) INFORMATION FOR SEQ ID NO: 1:

52 (i) SEQUENCE CHARACTERISTICS:

53 (A) LENGTH: 22 base pairs  
 54 (B) TYPE: nucleic acid  
 55 (C) STRANDEDNESS: single  
 56 (D) TOPOLOGY: linear

58 (ii) MOLECULE TYPE: DNA (genomic)

63 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

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65 CCTGATAGAT TGCCCAGAAT GC
67 (2) INFORMATION FOR SEQ ID NO: 2:
69 (i) SEQUENCE CHARACTERISTICS:
70 (A) LENGTH: 24 base pairs
71 (B) TYPE: nucleic acid
72 (C) STRANDEDNESS: single
73 (D) TOPOLOGY: linear
75 (ii) MOLECULE TYPE: DNA (genomic)
80 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
82 GTGATAATAA CAAGTACTGC AGTG
84 (2) INFORMATION FOR SEQ ID NO: 3:
86 (i) SEQUENCE CHARACTERISTICS:
87 (A) LENGTH: 12 amino acids
88 (B) TYPE: amino acid
89 (C) STRANDEDNESS: Not Relevant
90 (D) TOPOLOGY: linear
92 (ii) MOLECULE TYPE: peptide
97 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
99 Cys Thr Leu Gln Glu Asn Pro Phe Phe Ser Gln Pro
100 1 5 10
102 (2) INFORMATION FOR SEQ ID NO: 4:
104 (i) SEQUENCE CHARACTERISTICS:
105 (A) LENGTH: 12 amino acids
106 (B) TYPE: amino acid
107 (C) STRANDEDNESS: Not Relevant
108 (D) TOPOLOGY: linear
110 (ii) MOLECULE TYPE: peptide
115 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
117 Cys Thr Leu Gln Glu Asn Pro Phe Phe Ser Gln Pro
118 1 5 10
120 (2) INFORMATION FOR SEQ ID NO: 5:
122 (i) SEQUENCE CHARACTERISTICS:
123 (A) LENGTH: 12 amino acids
124 (B) TYPE: amino acid
125 (C) STRANDEDNESS: Not Relevant
126 (D) TOPOLOGY: linear
128 (ii) MOLECULE TYPE: peptide
133 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
135 Cys Thr Leu Gln Glu Asn Pro Phe Phe Ser Gln Pro
136 1 5 10
138 (2) INFORMATION FOR SEQ ID NO: 6:
140 (i) SEQUENCE CHARACTERISTICS:
141 (A) LENGTH: 12 amino acids
142 (B) TYPE: amino acid
143 (C) STRANDEDNESS: Not Relevant
144 (D) TOPOLOGY: linear
146 (ii) MOLECULE TYPE: peptide
151 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
153 Cys Gln Leu His Glu Asn Pro Phe Phe Ser Gln Pro

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154      1          5          10
156 (2) INFORMATION FOR SEQ ID NO: 7:
158   (i) SEQUENCE CHARACTERISTICS:
159       (A) LENGTH: 12 amino acids
160       (B) TYPE: amino acid
161       (C) STRANDEDNESS: Not Relevant
162       (D) TOPOLOGY: linear
164   (ii) MOLECULE TYPE: peptide
169   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
171   Cys Lys Pro Arg Glu Asn Gln Phe Phe Ser Lys Pro
172      1          5          10
174 (2) INFORMATION FOR SEQ ID NO: 8:
176   (i) SEQUENCE CHARACTERISTICS:
177       (A) LENGTH: 12 amino acids
178       (B) TYPE: amino acid
179       (C) STRANDEDNESS: Not Relevant
180       (D) TOPOLOGY: linear
182   (ii) MOLECULE TYPE: peptide
187   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
189   Cys Lys Pro Arg Glu Asn Lys Phe Phe Ser Lys Pro
190      1          5          10
192 (2) INFORMATION FOR SEQ ID NO: 9:
194   (i) SEQUENCE CHARACTERISTICS:
195       (A) LENGTH: 12 amino acids
196       (B) TYPE: amino acid
197       (C) STRANDEDNESS: Not Relevant
198       (D) TOPOLOGY: linear
200   (ii) MOLECULE TYPE: peptide
205   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
207   Cys Lys Leu Lys Lys Glu Asn Lys Tyr Phe Ser Arg Leu
208      1          5          10
210 (2) INFORMATION FOR SEQ ID NO: 10:
212   (i) SEQUENCE CHARACTERISTICS:
213       (A) LENGTH: 12 amino acids
214       (B) TYPE: amino acid
215       (C) STRANDEDNESS: Not Relevant
216       (D) TOPOLOGY: linear
218   (ii) MOLECULE TYPE: peptide
223   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
225   Cys Lys Leu Lys Lys Glu Asn Lys Tyr Phe Ser Lys Pro
226      1          5          10
228 (2) INFORMATION FOR SEQ ID NO: 11:
230   (i) SEQUENCE CHARACTERISTICS:
231       (A) LENGTH: 12 amino acids
232       (B) TYPE: amino acid
233       (C) STRANDEDNESS: Not Relevant
234       (D) TOPOLOGY: linear
236   (ii) MOLECULE TYPE: peptide
241   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:

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243   Cys Lys Leu Lys Glu Asn Lys Tyr Phe Ser Lys Pro
244       1           5           10
246 (2) INFORMATION FOR SEQ ID NO: 12:
248   (i) SEQUENCE CHARACTERISTICS:
249       (A) LENGTH: 12 amino acids
250       (B) TYPE: amino acid
251       (C) STRANDEDNESS: Not Relevant
252       (D) TOPOLOGY: linear
254   (ii) MOLECULE TYPE: peptide
259   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
261   Cys Lys Leu Arg Glu Asn Lys Tyr Phe Phe Lys Leu
262       1           5           10
264 (2) INFORMATION FOR SEQ ID NO: 13:
266   (i) SEQUENCE CHARACTERISTICS:
267       (A) LENGTH: 12 amino acids
268       (B) TYPE: amino acid
269       (C) STRANDEDNESS: Not Relevant
270       (D) TOPOLOGY: linear
272   (ii) MOLECULE TYPE: peptide
277   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
279   Cys Lys Leu Lys Glu Asn Lys Tyr Phe Ser Lys Leu
280       1           5           10
282 (2) INFORMATION FOR SEQ ID NO: 14:
284   (i) SEQUENCE CHARACTERISTICS:
285       (A) LENGTH: 12 amino acids
286       (B) TYPE: amino acid
287       (C) STRANDEDNESS: Not Relevant
288       (D) TOPOLOGY: linear
290   (ii) MOLECULE TYPE: peptide
295   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
297   Cys Lys Leu Lys Glu Asn Lys Tyr Phe Ser Lys Leu
298       1           5           10
300 (2) INFORMATION FOR SEQ ID NO: 15:
302   (i) SEQUENCE CHARACTERISTICS:
303       (A) LENGTH: 12 amino acids
304       (B) TYPE: amino acid
305       (C) STRANDEDNESS: Not Relevant
306       (D) TOPOLOGY: linear
308   (ii) MOLECULE TYPE: peptide
313   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
315   Cys Lys Leu Lys Glu Asn Lys Tyr Phe Ser Lys Leu
316       1           5           10
318 (2) INFORMATION FOR SEQ ID NO: 16:
320   (i) SEQUENCE CHARACTERISTICS:
321       (A) LENGTH: 12 amino acids
322       (B) TYPE: amino acid
323       (C) STRANDEDNESS: Not Relevant
324       (D) TOPOLOGY: linear
326   (ii) MOLECULE TYPE: peptide

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Input Set : N:\Crif3\RULE60\10057113.txt  
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331      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:
332      Cys Lys Leu Lys Glu Asn Lys Tyr Phe Ser Lys Leu
333      1          5          10
334      (2) INFORMATION FOR SEQ ID NO: 17:
335      (i) SEQUENCE CHARACTERISTICS:
336          (A) LENGTH: 12 amino acids
337          (B) TYPE: amino acid
338          (C) STRANDEDNESS: Not Relevant
339          (D) TOPOLOGY: linear
340      (ii) MOLECULE TYPE: peptide
341      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:
342      Cys Lys Leu Lys Glu Asn Lys Tyr Phe Ser Lys Leu
343      1          5          10
344      (2) INFORMATION FOR SEQ ID NO: 18:
345      (i) SEQUENCE CHARACTERISTICS:
346          (A) LENGTH: 12 amino acids
347          (B) TYPE: amino acid
348          (C) STRANDEDNESS: Not Relevant
349          (D) TOPOLOGY: linear
350      (ii) MOLECULE TYPE: peptide
351      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:
352      Cys Lys Leu Gly Glu Asn Arg Phe Phe Ser Lys Pro
353      1          5          10
354      (2) INFORMATION FOR SEQ ID NO: 19:
355      (i) SEQUENCE CHARACTERISTICS:
356          (A) LENGTH: 12 amino acids
357          (B) TYPE: amino acid
358          (C) STRANDEDNESS: Not Relevant
359          (D) TOPOLOGY: linear
360      (ii) MOLECULE TYPE: peptide
361      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 19:
362      Cys Lys Leu Gly Glu Asn Arg Phe Phe Ser Lys Pro
363      1          5          10
364      (2) INFORMATION FOR SEQ ID NO: 20:
365      (i) SEQUENCE CHARACTERISTICS:
366          (A) LENGTH: 12 amino acids
367          (B) TYPE: amino acid
368          (C) STRANDEDNESS: Not Relevant
369          (D) TOPOLOGY: linear
370      (ii) MOLECULE TYPE: peptide
371      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 20:
372      Cys Lys Leu Gly Glu Asn Arg Phe Phe Ser Lys Pro
373      1          5          10
374      (2) INFORMATION FOR SEQ ID NO: 21:
375      (i) SEQUENCE CHARACTERISTICS:
376          (A) LENGTH: 12 amino acids
377          (B) TYPE: amino acid
378          (C) STRANDEDNESS: Not Relevant
379          (D) TOPOLOGY: linear
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VERIFICATION SUMMARY

DATE: 02/19/2002

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TIME: 15:10:41

Input Set : N:\Crif3\RULE60\10057113.txt

Output Set: N:\CRF3\02192002\J057113.raw

L:30 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]

L:31 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]